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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/714,424	11/16/2000	Carl J. Serman	1836-001630	4138

7590                    04/23/2003  
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EXAMINER	
KUHNS, ALLAN R	
ART UNIT	PAPER NUMBER

1732  
DATE MAILED: 04/23/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No. 09/714,424	Applicant(s) SERMAN ET AL.
Examiner KUHNUS	Group Art Unit 1732

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—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE THREE (3) MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, such period shall, by default, expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

Responsive to communication(s) filed on FEB. 20, 2003

This action is FINAL.

Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.

### Disposition of Claims

<input checked="" type="checkbox"/> Claim(s) <u>1-10 AND 12 - 20</u>	is/are pending in the application.
<input type="checkbox"/> Of the above claim(s) <u>16 - 18</u>	is/are withdrawn from consideration.
<input checked="" type="checkbox"/> Claim(s) <u>20</u>	is/are allowed.
<input checked="" type="checkbox"/> Claim(s) <u>1-10, 12-15 AND 19</u>	is/are rejected.
<input type="checkbox"/> Claim(s) _____	is/are objected to.
<input type="checkbox"/> Claim(s) _____	are subject to restriction or election requirement

### Application Papers

- The proposed drawing correction, filed on \_\_\_\_\_ is  approved  disapproved.
- The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner
- The specification is objected to by the Examiner.
- The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. § 119 (a)-(d)

- Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)-(d).
- All  Some\*  None of the:
  - Certified copies of the priority documents have been received.
  - Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - Copies of the certified copies of the priority documents have been received  
in this national stage application from the International Bureau (PCT Rule 17.2(a))

\*Certified copies not received: \_\_\_\_\_

### Attachment(s)

<input type="checkbox"/> Information Disclosure Statement(s), PTO-1449, Paper No(s). _____	<input type="checkbox"/> Interview Summary, PTO-413
<input type="checkbox"/> Notice of Reference(s) Cited, PTO-892	<input type="checkbox"/> Notice of Informal Patent Application, PTO-152
<input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review, PTO-948	<input type="checkbox"/> Other _____

## Office Action Summary

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1. Applicant's election without traverse of Group I in Paper No. 5 is acknowledged.
2. Claims 16-18 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim.

Election was made without traverse in Paper No. 5.

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-10, 12-15 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Younes as set forth in the previous Office action.

5. Claim 20 is allowed.

6. Applicants' arguments filed Feb. 20, 2003 have been fully considered but they are not persuasive. Applicants admit that the Younes reference discloses mixing the curative component and the prepolymer in an NCO/OH ratio of about 1:1 but argue that the reference does not disclose that any excess of one component over the other be limited to a maximum percentage of 2%. First of all, the claim language is limited to excess prepolymer. Secondly, since Younes does teach an NCO/OH ratio of about 1:1, one of ordinary skill in the art operating at that ratio is never impacted by the 2% excess prepolymer limitation.

Applicants also argue that the Younes disclosure does not teach the criticality of incorporating water in the mixture at about 1-5% of the curative component while admitting that

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Younes teaches an embodiment where the water concentration is 2.7%, well within the claimed range. This argument is not persuasive because applicants admit that Younes teaches an embodiment using a water concentration which falls within the claimed range.

7. The declarations under 37 CFR 1.132 filed February 20, 2003 are insufficient to overcome the rejection of claims 1-10, 12-15 and 19 based upon Younes as set forth in the last Office action because: there is no nexus (a factual and legally sufficient connection) between the objective evidence of non-obviousness ( the enhanced performance of the MC Foam wheel relative to a wheel of a competitor and the enhanced performance of the MC Foam Ball Lift tire relative to a traditional ball lift tire) and the invention as is now claimed. Moreover, Younes actually teaches forming a tire and an embodiment wherein the water concentration falls within the claimed range.

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however,

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will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Allan Kuhns whose telephone number is (703) 308-3462. The examiner can normally be reached on Monday to Thursday from 7:00 to 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Crispino, can be reached on (703) 308-3853. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-7718.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

*Allan R. Kuhns*

ALLAN R. KUHNS  
PRIMARY EXAMINER AU 1732

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